

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
20 October 2005 (20.10.2005)

PCT

(10) International Publication Number  
**WO 2005/097628 A2**

(51) International Patent Classification<sup>7</sup>: **B65D 90/02**

[IN/US]; 7319 Woodward Avenue, Woodridge, IL 60423 (US). **MOONEY, Michael, R.** [US/US]; 21365 Bramble Drive, Frankfort, IL 60423 (US).

(21) International Application Number:  
PCT/US2005/010556

(74) Agents: **HEIST, Dale, M.** et al.; Woodcock Washburn LLP, One Liberty Place - 46th Floor, Philadelphia, PA 19103 (US).

(22) International Filing Date: 30 March 2005 (30.03.2005)

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH,

(26) Publication Language: English

(30) Priority Data:  
60/558,790 1 April 2004 (01.04.2004) US  
11/091,564 28 March 2005 (28.03.2005) US

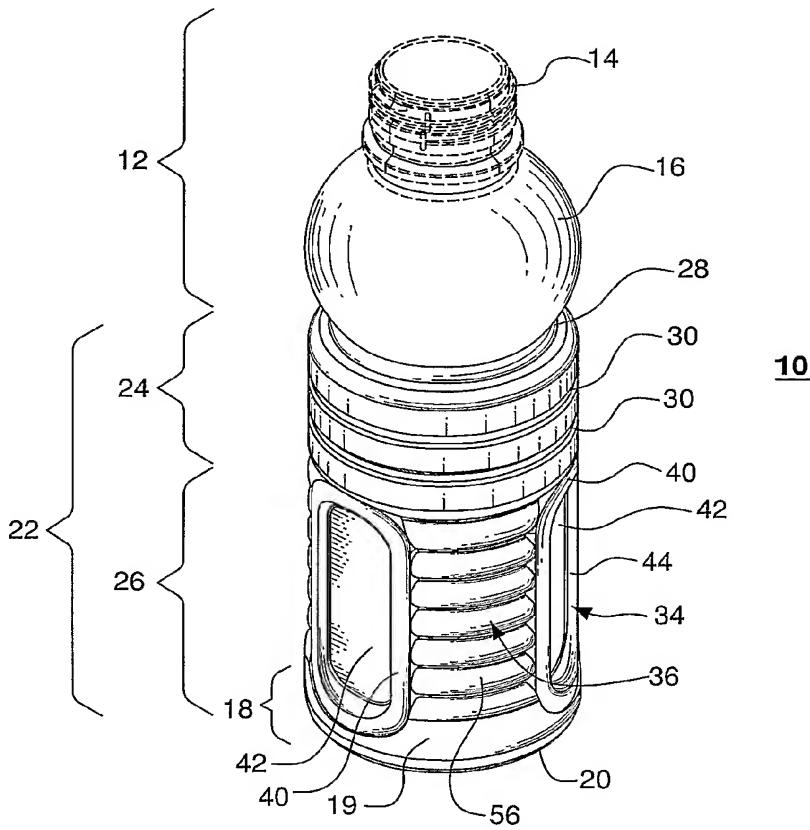
(71) Applicant (for all designated States except US): **CON-STAR INTERNATIONAL INC.** [US/US]; One Crown Way, Philadelphia, PA 19154 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BANGI, Monis**

[Continued on next page]

(54) Title: HOT-FILL BOTTLE HAVING FLEXIBLE PORTIONS



(57) Abstract: A flexible hot fill container includes a body having a label portion and a flex portion. The flex portion includes flex panels and support structure fields. Both the support structure fields and flex panels deform inwardly upon vacuum conditions. Recess sidewalls in the flex panels provide support.

WO 2005/097628 A2



GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.